

Course Name	IBM CE - Fundamental Course in DB2 - Database Administration for Linux, Unix, Windows
Course Code	IMDB2FIN
Course Duration	50 Hours
About the Technology	DB2 for Linux, UNIX and Windows is optimized to deliver industry-leading performance across multiple workloads, while lowering administration, storage, development, and server costs.
About the course	<p>This course is designed to teach you how to perform database administration tasks using DB2 9. These tasks include creating DB2 instances, creating and populating databases, and using logical design to support concurrency and recovery requirements. New features, such as range partitioning, data row compression, and pure XML (native XML storage) will be introduced.</p> <p>After completing this course, you should be able to:</p> <ul style="list-style-type: none"> - List and describe the components of DB2 - Manage System Managed Storage (SMS), Database Managed Storage (DMS), and Automatic Storage databases and apply data placement principles - Administer a DB2 database system using commands and GUI tools - Implement a given logical database design using DB2 to support integrity and concurrency requirements - Use autonomic features of DB2 - Define a DB2 recovery strategy and perform the tasks necessary to support the strategy - Implement DB2 security
Audience	<p>System administrators, database administrators, and technical personnel involved in planning, implementing, and maintaining DB2 databases.</p> <p>Students of</p> <ul style="list-style-type: none"> - Engineering (CS, IT)- 3rd / 4th Year - MCA – 1st/ 2nd Year - BSc, BA -2nd Year
Pre-Requisites	<p>Before taking this course you should be able to:</p> <ul style="list-style-type: none"> - Use basic OS functions such as utilities, file permissions, hierarchical file system, commands, and editor - State the functions of the Structured Query Language (SQL), and be able to construct DDL, DML, and authorization statements - Discuss basic relational database concepts and objects such as tables, indexes, views, and joins <p>Pre-requisites courses:</p> <ul style="list-style-type: none"> - Information Management Basics with DB2

Contents	<p><i>This course covers the following topics:</i></p> <ul style="list-style-type: none"> - Overview of DB2 on Linux, UNIX and Windows - Command Line Processor (CLP) and GUI usage - The DB2 environment - Creating databases and data placement - Creating database objects - Moving data - Backup and recovery - Locking and concurrency - Problem determination - Security
Applicable IBM Certification	<p>IBM Certified Database Administrator - DB2 9.7 for Linux, UNIX, and Windows</p> <p>This certification has 2 paths.</p> <p>Path 1 requires 2 tests:</p> <ol style="list-style-type: none"> 1. Test 000-700 or Test 000-730 - DB2 9 Family Fundamentals 2. Test 000-541 - DB2 9.7 DBA for Linux UNIX and Windows <p>Path 2 requires 3 tests:</p> <ol style="list-style-type: none"> 1. Test 000-700 or Test 000-730 - DB2 9 Family Fundamentals 2. Test 000-731 - DB2 9 DBA for Linux UNIX and Windows 3. Test 000-546 - DB2 9.7 Database Administrator for Linux UNIX or Windows Upgrade
Follow on Courses	<ul style="list-style-type: none"> - IBM CE Enterprise Application Project using Java/ J2EE